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## Chapter 1: Earth System Science

1. What is a system?
2. Why have scientists started to think of the Earth as a system?
3. Define the following terms in your own words:
  - a. Feedback
  - b. Positive Feedback
  - c. Negative Feedback
4. Explain how positive and negative feedback interactions affect the Earth system in different ways. Provide an example of each to illustrate your explanation.

5. How will an increased human population likely effect the changes to the environment?

## **Chapter 2: Why Study the Ocean?**

6. List two resources we depend on the ocean for. Explain how we use each resource.

A.

B.

7. Describe two ways the ocean impacts our lives on a daily basis. Make sure you explain each.

A.

B.

## **Chapter 3: What's New?**

8. Name two new tools scientists are using to study the ocean and how these new tools could be useful.

A.

B.